

Converting Colors

XYZ(45.6868, 28.0388, 9.9334)

Have a look what the booklet for
XYZ(45.6868, 28.0388, 9.9334)
contains.

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Color

**XYZ(45.6728, 27.9823,
10.0151)**

Conversions

Conversions Part 1

Format	Color
Hex	FF534D
RGB	255, 83, 77
RGB Percent	100%, 33%, 30%
CMY	0.0000, 0.6745, 0.6980
CMYK	0.00, 0.67, 0.70, 0.00
HSL	2°, 100%, 65%
HSV	2°, 70%, 100%
XYZ	45.6728, 27.9823, 10.0151
YIQ	133.7440, 104.4380, 34.5980

Conversions

Conversions Part 2

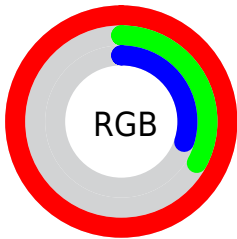
Format	Color
R_{YB}	255, 83, 77
Decimal	16733005
CIE _{Lab}	59.87, 64.59, 40.53
CIE _{LCh}	60, 76.258, 32.110
Yxy	27.9823, 0.5459, 0.3344
Android (android.graphics.Color)	4294923085 (0xFFFF534D)
YUV	133.7440, -27.9748, 106.3415
Hunter-Lab	52.8983, 61.5463, 25.8036

Details

The XYZ color **45.6728, 27.9823, 10.0151** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle washed red. A complement of this color would be **54.9828, 76.5423, 106.4834**, and the grayscale version is **22.6400, 23.8191, 25.9390**.

A 20% lighter version of the original color is **54.5308, 41.8161, 24.9359**, and **21.7683, 11.2241, 2.3856** is the 20% darker color. If you saturate the color by 10%, you get **43.3803, 24.5671, 5.6457**, and if you desaturate by 10%, it is **48.9887, 32.8806, 16.4656**.

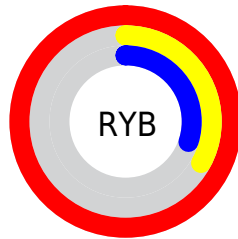
Distribution



Red (100%)

Green (33%)

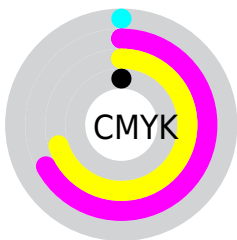
Blue (30%)



Red (100%)

Yellow (33%)

Blue (30%)

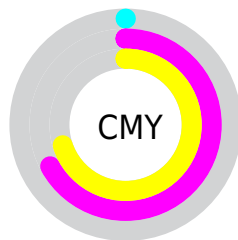


Cyan (0%)

Magenta (67%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (67%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6728, 27.9823, 10.0151 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 45.6728, 27.9823, 10.0151 by changing the saturation by 10% instead.


 45.6728, 27.9823,
10.0151


 45.6728, 27.9823,
10.0151

360.2297,
292.3823, 201.2685


 32.1912, 18.3123,
5.3032


 82.9600, 56.4562,
26.4322


 21.6639, 11.1744,
2.3644


 107.4963, 76.0289,
38.9744

 13.7253, 6.1843,
0.7670


 136.4482, 99.6713,
54.9639

 8.0103, 2.9575,
0.0000

 170.1811,
127.7677, 74.8192

 4.1534, 1.1096,
0.0000

 209.0604,
160.7027, 98.9587

 1.7893, 0.0000,
0.0000

253.4513,

 0.5112, 0.0000,

198.8605, 127.8011

0.0000

303.7193,
242.6256, 161.7649

■ 0.0000, 0.0000,
0.0000

■ 45.6728, 27.9823,
10.0151

■ 45.6728, 27.9823,
10.0151

■ 43.3803, 24.5671,
5.6457

■ 48.9887, 32.8806,
16.4656

■ 41.9906, 22.4633,
3.1000

■ 53.4266, 39.3994,
25.2113


■ 41.3412, 21.4584,
1.9774

■ 59.0757, 47.6659,
36.4411

■ 41.3332, 21.4468,
1.9611

■ 66.0159, 57.7933,
50.3240

■ 74.3198, 69.8853,
67.0142

 84.0552, 84.0380,
86.6541

95.0497, 99.9999,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.8576, 27.9823, 28.5482



45.6728, 27.9823, 10.0151



36.2832, 27.9823, 3.4709

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.6728, 27.9823, 10.0151



13.3086, 27.9823, 11.7221



27.2872, 27.9823, 120.7576

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



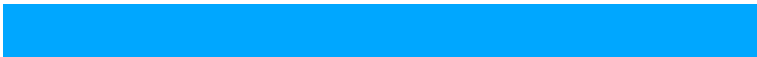
45.6728, 27.9823, 10.0151



54.9828, 76.5423, 106.4834

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.8081, 27.9823, 105.9939



45.6728, 27.9823, 10.0151



11.9998, 27.9823, 32.4720

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.6728, 27.9823, 10.0151



17.8821, 27.9823, 3.9526



13.7449, 27.9823, 68.4728



37.7621, 27.9823, 101.5537

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



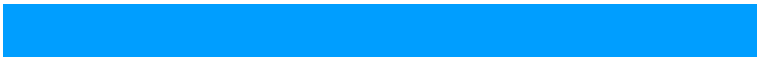
45.6728, 27.9823, 10.0151



29.2330, 27.9823, 2.2991



13.7449, 27.9823, 68.4728



24.1232, 27.9823, 119.5885

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.6734, 27.9839, 10.0155



73.2526, 68.3322, 64.8649



61.0029, 33.4114, 92.9104



15.1683, 13.8824, 12.8561



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.6734, 27.9839, 10.0155



42.6950, 23.5353, 4.3721



57.3192, 51.2754, 13.8975



18.0585, 18.0852, 18.6833



21.6189, 11.2490, 1.0318



2.1215, 1.1284, 0.1060

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54.9828, 76.5423, 106.4834



52.4524, 74.6792, 106.2577



33.6929, 33.9626, 99.3868



18.4992, 20.3700, 23.2067



26.7371, 38.3837, 55.4342



2.6191, 3.7690, 5.4027

Previews

White Background



This preview shows how the XYZ color 45.6728, 27.9823, 10.0151 looks on a white background.

Color Contrast Check

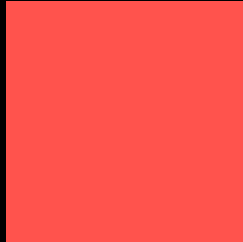
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 45.6728, 27.9823, 10.0151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6728, 27.9823, 10.0151

Background



This preview shows how black text looks on a background with the XYZ color 45.6728, 27.9823, 10.0151.



This preview shows how white text looks on a background with the XYZ color 45.6728, 27.9823,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.6728, 27.9823, 10.0151

Protanopia

25.9357, 27.9153, 15.8256

Deuteranopia

28.6920, 28.1659, 9.2345



Tritanopia

45.9370, 27.9665, 11.7810

Trichromacy



Original Color

45.6728, 27.9823, 10.0151

Protanomaly

30.5861, 25.8809, 13.2810

Deuteranomaly

33.3479, 26.6772, 9.3528

Tritanomaly

45.8186, 27.9191, 11.1576

Monochromacy



Original Color

45.6728, 27.9823, 10.0151

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

27.4715, 22.9187, 18.5986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6728, 27.9823, 10.0151 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 83, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 83, 77)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 83, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 77) }
```

Border

The CSS property to change the border of an element to XYZ 45.6728, 27.9823, 10.0151 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 83, 77) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 83, 77) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 83, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6728, 27.9823, 10.0151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 77) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 83,  
77) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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